

WHAT IS CLAIMED IS:

1. An agricultural apparatus comprising:
a carrier frame including a support surface defining an arcuate track about a pivot point;
a mainframe mounted to the carrier frame at the pivot point for rotation
5 thereabout between an operating position and a transportation position; and
a wheel assembly including at least one wheel mounted to a mounting member, the mounting member mounted to the mainframe such that the wheel is received on the curved track for rotation there along.
2. The apparatus of claim 1 wherein the mounting member includes first and second plates and the wheel is mounted between the plates.
3. The apparatus of claim 2 wherein the mounting member includes an adjustment bolt linked between the mainframe and the plates wherein the adjustment bolt is adjustable to alter the relative positions of the mainframe and the plates thereby modifying the relative positions of the mainframe and the carrier
5 frame.
4. The apparatus of claim 3 wherein the mounting member further includes first and second block members linked to the mainframe and the plates, respectively, one of the block members forming a right threaded channel and the other of the block members forming a left threaded channel and, wherein, the
5 adjustment bolt includes first and second ends that are right and left threaded, respectively, the adjustment bolt ends received in the block member channels.
5. The apparatus of claim 4 wherein the first end of the adjustment bolt is received in the first block member channel, the first block member includes a jamming surface facing the second blocking member, the apparatus further including a jam nut threadably received on the first end of the bolt such that the jam

5 nut can be tightened against the jamming surface to lock the relative positions of the bolt and the first and second block members.

6. The apparatus of claim 4 wherein each of the first and second plates has proximal and distal ends and the wheel is mounted between the proximal and distal ends, the proximal ends are pivotally linked to the mainframe and the distal ends pivotally linked to the second block member.

7. The apparatus of claim 6 wherein each plate is mounted to the mainframe, second block and wheel at first, second and third mounting points, respectively, that form a triangle, the third mounting point below at least one of the first and second mounting points.

8. The apparatus of claim 7 further including a bracket mounted to the mainframe, the first block pivotally mounted to the bracket at a first point and the first ends of the plates mounted to the bracket at a second point below the first point.

9. The apparatus of claim 8 wherein the bracket extends in a direction tangent to the arcuate track.

10. The apparatus of claim 9 wherein the track extends between first and second ends, when the mainframe is in the operating position, the mainframe substantially perpendicular to a direction of travel and substantially aligned with a rear edge of the support surface and the bracket extending at least in part past the rear edge and proximate the first end.

11. The apparatus of claim 1 wherein the track extends between first and second ends, when the mainframe is in the operating position, the mainframe substantially perpendicular to a direction of travel and substantially aligned with a rear edge of the support surface and the wheel extending at least in part past the rear edge and proximate the first end, the carrier frame further including a wheel support member extending from the rear edge and forming an upwardly facing

surface that is substantially parallel to the support surface and that forms the first end.

12. The apparatus of claim 1 wherein the mounting member further includes an adjustment means for adjusting the relative positions of the wheel and the mainframe such that the relative positions of the mainframe and the carrier frame can be adjusted.

13. The apparatus of claim 1 wherein the carrier frame includes first and second lateral edges and the track extends between first and second track ends where the wheel is proximate the first and second track ends when the mainframe is in the operating and transport positions, respectively, the pivot point is proximate
5 the first lateral edge and the first track end is proximate the second lateral edge.

14. An apparatus for use with an agricultural assembly including a carrier frame including a support surface defining an arcuate track about a pivot point and a mainframe mounted to the carrier frame at the pivot point for rotation thereabout between an operating position and a transportation position, the apparatus

5 comprising:

a wheel assembly including a mounting member, a wheel and at least one adjustment bolt, the mounting member mounted to the mainframe and the wheel linked to the mounting member via the adjustment bolt such that the wheel is received on the curved track for rotation there along, the adjustment bolt adjustable
10 for modifying the relative vertical positions of the wheel and the mainframe to adjust the positions of the mainframe and the carrier frame.

15. The apparatus of claim 14 wherein the mounting member includes first and second plates linked to the mainframe and the adjustment bolt and wherein the wheel is mounted between the plates.

16. The apparatus of claim 15 wherein the mounting member further includes first and second block members linked to the mainframe and the plates, respectively, one of the block members forming a right threaded channel and the other of the block members forming a left threaded channel and, wherein, the
5 adjustment bolt includes first and second ends that are right and left threaded, respectively, the adjustment bolt ends received in the block member channels.

17. The apparatus of claim 16 wherein the first end of the adjustment bolt is received in the first block member channel, the first block member includes a jamming surface facing the second blocking member, the apparatus further including a jam nut threadably received on the first end of the bolt such that the jam
5 nut can be tightened against the jamming surface to lock the relative positions of the bolt and the first and second block members.

18. The apparatus of claim 16 wherein each of the first and second plates has proximal and distal ends and the wheel is mounted between the proximal and distal ends, the proximal ends are pivotally linked to the mainframe and the distal ends pivotally linked to the second block member, wherein each plate is mounted
5 to the mainframe, second block and wheel at first, second and third mounting points, respectively, that form a triangle, the third mounting point below at least one of the first and second mounting points.

19. An apparatus for use with an agricultural assembly including a carrier frame including a support surface defining an arcuate track about a pivot point and a mainframe mounted to the carrier frame at the pivot point for rotation thereabout between an operating position and a transportation position, the apparatus

5 comprising:

first and second plates, each plate including proximal and distal ends and defining first, second and third mounting points, the proximal ends pivotally linked to the mainframe at the first mounting points;

a turnbuckle including first and second block members and a bolt, one of the
10 block members forming a right threaded channel and the other of the block members forming a left threaded channel, the bolt including opposite first and second ends that are right threaded and left threaded, respectively, the bolt ends received within the channels, the first block member pivotally linked to the mainframe above the plates and the second block member pivotally linked to the
15 plates at the second mounting points; and

a wheel mounted between the plates at the third mounting points such that the wheel is received on the track.

20. The apparatus of claim 19 wherein the mounting points on each of the plates form a triangle and wherein each second mounting point is vertically below at least one of the first and second mounting points on the same plate.

21. The apparatus of claim 20 further including a bracket mounted to the mainframe wherein the proximal ends of the plates and the first block members are pivotally mounted to the bracket.

22. The apparatus of claim 21 wherein the bracket is proximate and extends toward the first end of the track when the mainframe is in the operating position.